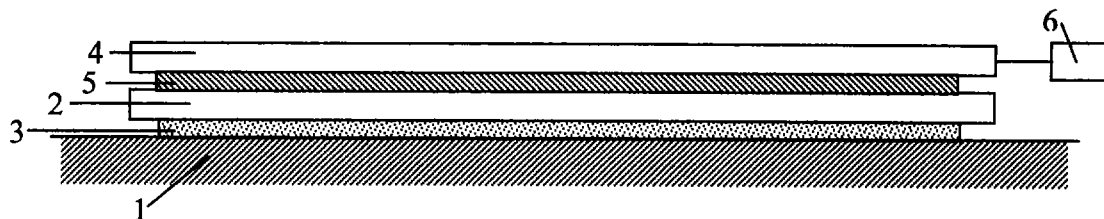


ABSTRACT**SENSOR AND INSTALLATION METHOD FOR LONG-TERM MEASUREMENT
OF AVERAGE PHYSICAL QUANTITIES**

A sensor and installation method to measure average physical quantities of long length on an object over long period of time by using a sensing elements(s) of short gauge length; comprising a carrier, low-creep fixing means, a fiber optic strain sensor assembly, pre-tension applying means and a sensor reading unit.

Figure 1

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